CLAIM AMENDMENTS

Please amend claims 1, 3, 11, 14 as follows:

1. (Currently Amended) A diaphragm cover apparatus for a sensor, comprising:

a diaphragm associated with a sensor cover and a base located proximate to

said sensor cover; and

a dimple located centrally inward and within said diaphragm, wherein said

dimple comprises a component that is separate from said diaphragm and wherein

said dimple contacts a sense element of said sensor.

2. (Original) The apparatus of claim 1 further comprising a foil for blocking air

permeation through said diaphragm when said sensor experiences pressure.

3. (Currently Amended) The apparatus of claim 1 wherein said diaphragm further

comprises an over-mold diaphragm that is located within said sensor cover, wherein

said dimple is located centrally within said over-mold diaphragm and said sensor

cover.

4. (Original) The apparatus of claim 1 wherein said dimple comprises a circular

portion, which contacts said sense element, and wherein said dimple comprises a

highly polished surface to reduce stress concentrators.

5. (Original) The apparatus of claim 1 wherein said dimple is formed from a

stainless steel material.

6. (Original) The apparatus of claim 1 wherein said dimple is formed from a ceramic

material.

7. (Original) The apparatus of claim 1 wherein said sense element comprises a

quartz sense element.

8. (Original) The apparatus of claim 1 wherein said sense element comprises a

silicon sense element.

9. (Original) The apparatus of claim 1 wherein said sense element comprises a

ceramic sense element.

10. (Original) The apparatus of claim 1 wherein said sense element is in intimate

contact with said highly polished surface of said dimple.

11. (Currently Amended) A sensor diaphragm cover apparatus for a sensor,

comprising:

an over-mold diaphragm located within a sensor cover and a base located

proximate to said sensor cover;

a dimple located centrally inward and within said sensor cover, wherein said

dimple comprises a component that is separate from diaphragm, wherein said

dimple contacts a quartz sense element of said sensor, and wherein said dimple

comprises a highly polished surface to reduce stress concentrators; and

Page 3 of 14 SERIAL NO. 10/635,277 a foil for blocking air permeation through said diaphragm when said sensor

experiences pressure.

12. (Original) The apparatus of claim 11 wherein said dimple is formed from a

stainless steel material.

13. (Original) The apparatus of claim 11 wherein said dimple is formed from a

ceramic material.

14. (Currently Amended) A method for molding a diaphragm cover apparatus for a

sensor, said method comprising the steps of:

locating a sensor cover proximate to a base;

molding a diaphragm within said sensor cover; and

establishing a dimple centrally inward and within said cover, wherein said

dimple comprises a component that is separate from sensor cover and wherein said

dimple contacts a sense element of said sensor.

15. (Original) The method of claim 14 further comprising the step of configuring a

foil within said diaphragm to block air permeation through said diaphragm when

said sensor experiences pressure, wherein said foil is established as said diaphragm

is molded.

16. (Original) The method of claim 14 further comprising the step of molding said

diaphragm to comprise an over-mold diaphragm molded within said sensor cover.

Page 4 of 14 SERIAL NO. 10/635,277

- 17. (Original) The method of claim 14 further comprising the step of forming a dimple with a highly polished surface to reduce stress concentrators.
- 18. (Original) The method of claim 14 further comprising the step of forming said dimple from a stainless steel material.
- 19. (Original) The method of claim 14 further comprising the step of forming said dimple from a ceramic material.
- 20. (Original) The method of claim 14 further comprising the step of forming said sense element as a quartz sense element.